Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/11/2017 12:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124260	-1	1.25	124101	1.23
Blue	F	SSC	125000	124444	-1	2.54	124837	2.29
Blue	E	FITC	23615	23054	-3	2.38	1023	10.27
Blue	D	PE	26739	26314	-2	1.99	946	9.86
Blue	B	PerCP-Cy5-5	48339	47306	-3	3.32	1357	17.11
Blue	A	PE-Cy7	45021	44485	-2	4.91	686	35.55
Red	C	APC	53064	52580	-1	2.89	3041	9.4
Red	A	APC-Cy7	57175	56432	-2	2.79	1169	11.26
Violet	B	V450	14728	14172	-4	4.9	681	9.34
Violet	A	V500	58621	57437	-3	4.78	2538	6.9

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19608	2.06	606	-8	N/A	N/A	Pass
Blue	F	SSC	61412	1.45	545	-1	N/A	N/A	Pass
Blue	E	FITC	117	38.75	545	-3	0.0208	179	Pass
Blue	D	PE	208	29.46	534	-2	0.1619	265	Pass
Blue	B	PerCP-Cy5-5	214	44.48	632	-3	0.0097	60	Pass
Blue	A	PE-Cy7	76	119.65	691	-2	0.0119	18	Pass
Red	C	APC	354	27.89	597	0	0.0209	103	Pass
Red	A	APC-Cy7	128	41.78	580	0	0.0056	1960	Pass
Violet	B	V450	83	41.1	468	-2	0.0469	1824	Pass
Violet	A	V500	184	21.18	496	-1	0.0158	181	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.16	0.83
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.54	14.40 - 21.60	N/A	N/A	31.04	31.63	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10153

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments